

ANNUAL REPORT

- of the -

MEDICAL OFFICER OF HEALTH

- for the -

RURAL DISTRICT OF HAWARDEN

- FOR THE YEAR -

1960.



Gentlemen,

I have the honour to present to you my Annual Report on the Health of the Hawarden Rural District for the year 1960.

The Registrar General's estimated population for mid-year 1960 is 36,020 an increase of 500 from the estimated population of 35,520 in mid-year 1959.

The Birth rate, death rate and case rates for certain infectious diseases are based on this population figure of 36,020 whilst both birth and death rates are corrected by applying a comparability factor of 1.02 in the case of births and 1.26 in the case of deaths.

The total number of live births in 1960 was 643, this being 52 more than in 1959, when total live births numbered 591. The birth rate for the year is 17.1 per 1,000 of the home population as compared with a birth rate of 16.9 in 1959 and a rate of 17.1 (estimated) for England and Wales in 1960.

The total number of deaths from all causes during the year was 363 as compared with 304 in 1959, an increase of 59. The death rate for 1960 is 11.5 per 1,000 of the home population as compared with a rate for England and Wales of 11.5 and a rate of 10.9 for the District in 1959.

There were 9 deaths in infants under the age of 1 year, 5 less than in 1959. The infantile mortality rate is 16.6 per 1,000 live births as compared with a rate of 21.7 for England and Wales and a rate for the District of 23.6 in 1959.

The principle cause of death was disease of the heart and circulatory system (17-21 inclusive in the Table -- Causes of Death) which group of diseases accounted for 201 of the 363 deaths which occurred during the year, that is 55% of all deaths. Cancer (all forms) accounted for 56 of the 363 deaths which is 15% of the total, and together with diseases of the heart and circulatory system accounted for 257 or 70% of the total deaths. Last year the comparative figures for these two groups of diseases were 204 or 56% of all deaths. Cancer of the lung and bronchus was the cause of 15 deaths as compared with 13 in 1959.

Tuberculosis was the cause of death in 5 persons, a rate of 0.13 per 1,000 of the population as compared with a rate of 0.1 for England and Wales.

For the twelfth year in succession there were no deaths from Diphtheria nor was any confirmed case notified, a remarkable tribute to the success of Diphtheria immunisation, which is still a 'must' and will continue to be necessary in all infants.

As regards infectious diseases, scarlet fever cases notified were 5 in 1960, compared with 10 cases in 1959, whilst no cases of acute poliomyelitis was notified. Measles, 289 cases showed as compared with 107 last year. Pneumonia 9 cases and 16 deaths. Whooping Cough showed a fall since 1959 from 46 to 17. Tuberculosis, 40 cases notified was 6 more than last year.


Housing continued to occupy the active interest of your Health Department, and your Public Health Inspectors continued their work of inspections and enquiries into the environmental circumstances of housing applicants.

To conclude, Gentlemen, I thank the Chairman and Members of the Health Committee for their support and help during the year. Your Clerk, Mr. F.N.V. Meredith was always helpful, your Surveyor, Mr. G.I. Reidford has co-operated in every way and your Public Health Inspectors, Mr. M.E. Thomas and Mr. D.R. George gave loyal support, and I wish to thank them and all your Officials for their continued assistance during the year.

I have the honour to be Gentlemen,
Your obedient Servant,

A. CATHCART,

MEDICAL OFFICER OF HEALTH.



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STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

	<u>1956</u>	<u>1957</u>	<u>1958</u>	<u>1959</u>	<u>1960</u>
Area (in acres)... ..	31,576	31,576	31,576	31,576	31,576
Population (Census 1951) ...	34,659	34,659	34,659	34,659	34,659
Population (Estimated Mid Year)	34,990	35,890	35,360	35,520	36,020
Density	1.1	1.1	1.1	1.1	1.1
Number of Inhabited Houses according to Rate Books.	10,242	10,465	10,205	10,651	10,813
<u>Number of Houses Completed</u>					
Local Authority	89	82	75	54	23
Private	<u>122</u>	<u>141</u>	<u>130</u>	<u>136</u>	<u>139</u>
Totals	<u>211</u>	<u>223</u>	<u>205</u>	<u>290</u>	<u>162</u>
Number of occupied houses owned by Local Authority	2,848	2,938	3,013	3,139	3,162
Rateable Value	336,786	381,897	387,557	465,261	466,298
Sum represented by 1d Rate ...	£1,629	£1,523	£1,625	£1,725	£1,868
Births	593	599	546	591	643
Birth Rate per 1,000	17.5	17.0	16.7	16.9	17.1
Deaths	397	312	359	309	363
Death Rate per 1,000	11.6	10.9	12.6	10.9	11.5
Infantile Mortality Rate per 1,000 live Births	29.7	18.3	25.6	15.0	21.7
Death Rate from all forms of Tuberculosis per 1,000 ...	0.2	0.13	0.05	0.11	0.13

EXTRACTS FROM THE VITAL STATISTICS
FOR THE YEAR

ESTIMATED MID-YEAR POPULATION

36,020

COMPARABILITY FACTORS

BIRTHS	DEATHS
1.02	1.26

LIVE BIRTHS

	Male	Female.	Total.	Birth rate per 1,000 Home population
Total	352	291	643	17.1
Legitimate	342	284	626	
Illegitimate	10	7	17	

STILL BIRTHS

	Male.	Female.	Total.	Rate per 1,000 Total (Live & Still Births)
Total.	9.	9	18	19.7
Legitimate	9	8	17	
Illegitimate	-	1	1	

DEATHS OF INFANTS UNDER 1 YEAR OF AGE

	Male.	Female.	Total.	Infantile Mortality per 1,000 Live Births
Total	11	7	18	21.7
Legitimate	11	7	18	28.7
Illegitimate	-	-	-	

DEATHS OF INFANTS UNDER 4 WEEKS OF AGE

Total	9 (Male)	4 (Female)	Total 13
Legitimate	9 (Male)	4 (Female)	Total 13
Illegitimate	-	-	Total Nil

DEATHS OF INFANTS UNDER 1 WEEK.

Total	8 (Males)	4 (Female)	Total 12
Legitimate	7 (Male)	6 (Female)	Total 13
Illegitimate	-	-	Total Nil

CAUSES OF DEATH.

	<u>1 9 6 0</u>	
	Male.	Female.
1. Tuberculosis - Respiratory	3.	-
2. Tuberculosis - Others	1.	1.
3. Syphilitic Disease	1.	-
4. Diphtheria	-	-
5. Whooping Cough	-	-
6. Monogococcal Infections	-	1.
7. Acute Poliomyelitis	-	-
8. Measles	-	-
9. Other Infective & Parasitic Diseases	-	-
10. Malignant neoplasm stomach	1.	5.
11. Malignant neoplasm breast	-	11.
12. Malignant neoplasm lungs - bronchus	13.	2.
13. Malignant neoplasm uterus	-	-
14. Other Malignant and lymphatic neoplasms	15.	7.
15. Leukaemia aleukaemia	1.	1.
16. Diabetes	-	-
17. Vascular lesions of nervous system	25.	31.
18. Coronary disease - angina	39.	16.
19. Hypertension with heart disease	3.	12.
20. Other heart diseases	25.	29.
21. Other circulatory diseases	13.	8.
22. Influenza	1.	1.
23. Pneumonia	10.	6.
24. Bronchitis	12.	4.
25. Other diseases of Respiratory system	3.	1.
26. Ulcer of stomach and duodenum	-	2.
27. Gastritis enteritis and diarrhoea	1.	-
28. Nephritis and Nephrosis	2.	1.
29. Hyperplasia of Prostrate	7.	-
30. Pregnancy - Childbirth - Abortion	-	-
31. Congenital Malformations	2.	3.
32. Other defined and ill-defined diseases	14.	13.
33. Motor Vehicle accidents	5.	-
34. All other accidentants	5.	2.
35. Suicide	2.	1.
36. Homicide and operations of War	-	-
	<u>204.</u>	<u>159</u>

TOTAL - 363 Death Rate 11.5 per 1,000
Home population.

Deaths from diseases and accidents	-	-
Pregnancy & Childbirths:		
From Sepsis	-	-
Other causes	-	-
Deaths from Diarrhoeas (Under 2 years of age)	1.	-
Deaths from Cancer (All ages)	30.	26.
Death from diseases of the Circulatory system (Including heart diseases) (All ages)	105.	96.

After application of the comparability factor

BIRTH RATE for comparison with other areas - 17.1 per 1,000 home population.
DEATH RATE for comparison with other areas - 11.5 per 1,000 home population.

There was an increase of 54 in the number of deaths during 1960 as compared with 1959. The number of deaths from circulatory and heart diseases was 47 more than in 1959 and cancer 6 more.

Respiratory diseases Pneumonia, Bronchitis and other diseases of the Respiratory system 1 more. Influenza was responsible for 2 deaths one more than in 1959.

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

1. PUBLIC HEALTH OFFICER OF THE AUTHORITY.

The public health officials of the Hawarden Rural District Council consist of :-

Medical Officer of Health

Dr. A. Cathcart, M.B., Ch.B., D.T.M. & H., D.P.H.

Chief Public Health Inspector

M. Emlyn Thomas, M.A.P.H.I., M.R.S.H., Meat & Food Certificate R.S.I.

Public Health Inspector

Watkin Williams - Retired April, 1960.

D.R. George, M.A.P.H.I., A.R.S.H. Meat & Food Certificate R.S.I. from March 1960.

2. LABORATORY FACILITIES.

This work is carried out by the Bacteriological Department, Royal Infirmary, Chester, the Bacteriological Department, University of Liverpool, and Harold Lowe Esq., Public Analyst, Chester.

The examination of Milk samples is carried out at the University College of North Wales, Bangor, and the Emergency Public Health Laboratory, Birkenhead. Some specimens being dealt with by the Public Health Laboratory, Birkenhead.

3. AMBULANCE FACILITIES.

These services are now under control of the Flintshire County Council.

4. CLINICS AND TREATMENT CENTRES.

Maternity and Child Welfare Clinics are established at Saltney, Broughton, Pentre, Shotton and Caergwrle.

School Clinics at Shotton, Saltney and Caergwrle.

Orthopaedic Clinics at Shotton.

A Chest Clinic at Queensferry.

5. HOSPITALS.

Isolation Hospital, Pentrobin, Hawarden - now for old persons.

Catherine Gladstone Maternity Home, Mancot.

Meadowslea Sanatorium, Penyffordd.

The above are situated in the District, but hospitals over a much wider area are used both for infectious diseases and general cases, among these the more important are:-

Wrexham War Memorial.

Wrexham Maelor General.

Chester Royal Infirmary.

Chester City Hospital.

Clatterbridge Infectious Disease Hospital.

Infectious diseases including all types of Poliomyelitis are dealt with at the Isolation Branch of Maelor General Hospital, Wrexham.

INSPECTION AND SUPERVISION OF FOOD.

1. Milk Supply.

The Milk (Special Designation) Regulations 1960.

The above Regulations came into operation on October, 1st 1960. The responsibility for the granting of Dealers Licences now rests with the County Council, and is the Food and Drug Authority, and the samples of designated milk are no longer carried out by the District Authority.

Apart from the Registration of Distributors by the Local Authorities, all milk and dairy legislation is now administered by the Ministry of Agriculture, Fisheries and Food, and by the Food & Drug Authorities.

2. Ice Cream.

There are 61 premises registered under Section 16 of the Food & Drugs Act, 1955, all of these except one are for the purpose of selling 'Pre Packed' ice cream, only one of the registered premises is concerned with the manufacturing of Ice cream.

During the year 47 samples were taken from the premises for Bacteriological examination, with the following results:

Grade 1.	-	46 samples
Grade 2.	-	1 sample

the grade 2 sample was from the Ice cream manufacturer in the area. On the follow up sample the Icecream was again proved to be Grade 1.

3. Meat and other foods.

All premises concerned in the production of food have been regularly visited and the following was the amount of food found to be unfit for human consumption during the year.

Cream.	5 Tins.
Tomatoes.	12 "
Salmon.	8 "
Grapefruit.	41 "
Minced Beef.	3 "
Corned Beef.	16 "
Fruit Salad.	39 "
Stewed Steak.	2 "
Pinapple.	8 "
Luncheon Meat	4 "
Pork.	19 "
Evap. Milk	8 "
Apricots.	18 "
Peaches.	16 "
Pears.	17 "
Oranges.	14 "
Tongue.	2 "
Cooked Ham	406 Lbs.
Fish.	56 "
Beasts Livers.	34.
Sheeps Livers.	52.
Sheeps Carcass.	1.
Cooked Beef.	3 lbs.
Pig Pluck.	2.
Beasts Carcass.	1.
Pigs Carcass.	1.
Beasts Head.	1.
Beasts Lungs.	3.

Cont. Meat & other Foods.

The following is a report on the number of animals slaughtered, inspected and the amount of meat condemned in the four existing Slaughterhouses during the year.

Carcases Inspected and Condemned.

	Cattle excluding Cows.	Cows.	Calves.	Sheep and Lams.	Pigs.
Number killed.	444	-	7	4394	103
Number Inspected.	444	-	7	4394	103
<u>All Diseases except Tuberculosis.</u>					
Whole carcasses condemned.	1.	-	-	1.	1
Carcasses of which some part or organ was con.	50	-	-	71	4
Percentage of the number inspected affected with disease other than T.B.	11.26	-	-	1.64	4.85
<u>Tuberculosis only.</u>					
Whole carcasses condemned.	-	-	-	-	-
Carcasses of which some part or organ was con.	1	-	-	-	-
Percentage of the number inspected affected with Tuberculosis.	224	-	-	-	-

SANITARY CIRCUMSTANCES IN THE
Hawarden Rural District

1. DETAILS OF WATER SUPPLY IN THE AREA.

<u>Parish.</u>	<u>Name of Supply undertaking</u>	<u>Houses</u>		<u>Total.</u>
		<u>With Piped supply.</u>	<u>Without piped supply.</u>	
Hawarden	Hawarden & District Water- Works Company. Chester Waterworks Company. Wrexham & E. Denbighshire Water Company.	4543) 119)) 22)	21	4684
Hope	Wrexham & E. Denbighshire Water Company. Caergwrle Water Supply.	1421) 29)	77	1527
Kinnerton	Wrexham & E. Denbighshire Water Company.	129	10	139
Manford & Hoseley.	Wrexham & E. Denbighshire Water Company.	194	-	194
West Saltney	Hawarden & District Water- works Company.	1124	-	1124
East Saltney	Chester Waterworks Company	1347	-	1347
Sealand	Hawarden & District Water- works Company. Chester Waterwork Company.	675) 161)	57	893
Treuddyn	Wrexham & E. Denbighshire Water Company.	382	35	417
Llanfynydd	Wrexham & E. Denbighshire Water Company.	406	81	487

During the year 62 samples of water were taken, 46 from public supplies and 16 from private supplies. Of these some were found to be unsatisfactory, and where results of samples were found to be below the required standard, all possible steps were taken to improve the quality of the supply.

Water

With regard to the samples which were found to be unsatisfactory, steps were taken to ensure that an improvement in the supplies concerned was brought about.

2. Sewerage, and Sewage Disposal

<u>Works</u>	<u>Parishes served</u>	<u>Approx. Population.</u>	<u>Remarks.</u>
Queensferry	Hawarden (Greater Part)	17,086	These works have been reconstructed and during the year the sewer was extended up the Liverpool Road taking in a considerable number of properties in this area and also taking a section of sewage from Buckley Urban District.
Sealand (Garden City)	Sealand		The whole of the sewage from Sealand Parish is brought to the works at Queensferry.

<u>Works</u>	<u>Parishes Served</u>	<u>Approx. Population</u>	<u>Remarks</u>
<u>Saltney</u>	Hawarden (Part) E.Saltney (Whole)	5,000	These works deal with drainage from R.A.F.Station and De Havilland Aircraft Factory. Scheme for enlargement of these works is now completed. The works are working satisfactorily.
Penyffordd	Village of Penyffordd.	1230	
Hope	Villages of Hope & Caergwrle.	1710	- do -
Treuddyn	Treuddyn (Developed portion)	650	The sewage disposal plan is working satisfactorily.
Cymmau	Village of Cymmau in parish of Llanfynydd	252	- do -
Ffrith			- do -
Marford			During the year sewers were being laid in this parish.
Kinnerton	Kinnerton	520	Plans have been completed and it is hoped the work of sewerage this village will be commenced during the year.
Caer Belyn			This scheme is now completed.
Dobshill			- do -

In addition to these works the Council have a number of small schemes dealing with small groups of houses which, owing to their location, cannot readily be connected to the main sewage system.

3. Public Cleansing

The whole of the area is scavenged by direct labour.

4. Shops and Offices

Shops in the area are inspected periodically for the purpose of the Shops Act, 1950, but no formal action was found necessary during the year.

5. Camping Sites.

There are still four sites on which caravans and temporary dwellings are situated:-

Corbetts Yard, Pentre.
Higher Ferry Lane, Sealand.
Mill Stone Inn, Penyffordd.
Gladstoneway, Queensferry.

6. Smoke Abatement

No formal action has been taken in this respect.

7. Swimming Baths & Pools

There are no swimming baths or bathing pools in the Hawarden Rural District.

8. Eradication of Bed Bugs

Several privately owned dwelling houses and Council houses were dealt with during the year for bug infestation.

The necessary work of disinfection was carried out by the Public Health Inspectors.

The method adopted included the stripping off of all wall-paper, removal of skirting boards and picture rails, and periodical spraying with 'Baldercide', D.D.T., and 'Gamexane'.

9. Rag Flock Act, 1911 and 1928

There are no premises in this area where Rag Flock is manufactured or sold.

PREVALENCE AND CONTROL OF INFECTIOUS
DISEASES

DIPHTHERIA

Diphtheria Prophlactic Antigen is issued free to Medical Practitioners for the immunisation of children in the area.

All records relating to Diphtheria Immunisation are forwarded by Medical Practitioners or Assistant School Medical Officers to the Department of the County Medical Officer of Health. The County Council now provide for children to be protected against Diphtheria and Whooping Cough by the use of all combined Antigen.

VACINATION

Vaccinations were carried out by the Medical Officer of Health at the County Council Child Welfare Clinics. During the year no smallpox contact entered the area from infected ships or aircraft.

CLEANSING AND DISINFECTION

During the year no demands were made for the cleansing of and disinfection of verminous persons.

In all cases of Scarlet Fever and Death resulting from Tuberculosis was well as in all cases where it is considered advisable, the Houses of the patients are thoroughly disinfected by the Public Health Inspectors.

Facilities are available at the Isolation Hospital for the steam disinfection of bedding, but this hospital is now under the control of the North Wales Hospital Board with whom co-operation is maintained.

PREVENTION OF BLINDNESS

No action was taken under Section 66 of the Public Health Act, 1925.

INFECTIOUS DISEASES (OTHER THAN TUBERCULOSIS)
DURING THE YEAR 1960

	Under 1 yr.	1 and under 3	3 and under 5	5 and under 10	10 and under 15	15 and under 25	over 25	Age unknown.	Total
Scarlet Fever	-	-	1	4	1	1	-	-	6
Pneumonia	-	-	-	4	1	1	44	-	50
Measles	10	25	60	38	145	7	1	2	288
Whooping Cough	2	1	1	5	6	2	-	-	17
<u>Acute Poliomyelitis</u>									
N.P.	-	-	-	-	-	-	-	-	-
P.	-	-	-	-	-	-	-	-	-

TUBERCULOSIS

TABULATED NEW CASES FOR 1960

Age period	Resp.		Meninges & CNS		Other		Total
	Male.	Female.	Male.	Female.	Male.	Female.	
1 - 4	1.	1	-	-	-	-	2
5 - 14	1	2	-	-	2	-	5
15 - 24	-	6	-	-	-	-	6
25 - 44	7	5	-	-	1	2	15
45 - 64	7	1	-	-	-	-	8
65 & over	2	2	-	-	-	-	4
Age Unknown	-	-	-	-	-	-	-
Total:	18	17	-	-	3	2	40

COMPARATIVE FIGURES OF INCIDENCE OF NOTIFIABLE INFECTIOUS

	<u>DISEASES FOR THE LAST 10 YEARS</u>										
	<u>1950</u>	<u>1951</u>	<u>1952</u>	<u>1953</u>	<u>1954</u>	<u>1955</u>	<u>1956</u>	<u>1957</u>	<u>1958</u>	<u>1959</u>	<u>1960</u>
Scarlet Fever	43	69	52	19	9	15	13	5	15	10	5
Diphtheria	-	-	-	-	-	-	-	-	-	-	-
Typhoid	-	-	-	-	-	-	-	-	-	-	-
Puerperal Pyrexia	1	2	-	2	1	2	1	-	-	-	-
Pneumonia	20	25	18	6	3	16	10	18	4	10	9
Erysipelae	1	3	1	2	-	-	-	-	1	-	-
Menigococcal Infection	-	2	2	-	-	-	-	1	-	1	-
Measles	399	389	72	291	277	159	162	209	56	87	289
Whooping Cough	67	110	62	50	46	32	18	24	4	46	17
Tuberculosis	33	29	31	61	44	43	26	26	28	34	40
Acute Poliomyelitis	6	-	-	1	-	3	1	4	1	-	-
Encephalitis	1	-	-	-	-	-	-	-	-	-	-
Food Poisoning	2	-	-	2	1	-	-	-	-	-	-

HAWARDEN RURAL DISTRICT COUNCIL.

APPENDIX TO THE ANNUAL REPORT RELATING TO THE
ADMINISTRATION OF THE FACTORIES ACTS, 1937/1959 FOR THE YEAR 1960.

HEALTH
26 OCT 62
C.R. 6

Part 1 of the Act.

1. INSPECTIONS relating to provisions for health made by the Public Health Inspectors during 1960.

	No. on Register.	NUMBER OFF		
		Inspections.	Written Notices	Occupiers Prosecuted
(i) Factories where Sections 1,2,3, 4 & 6 are to be enforced by Local authorities.	23	4	1	-
(ii) Factories not included above where Section 7 is to be enforced by the Local authority.	116	70	-	-
(iii) Other premises where Section 7 is to be enforced by the Local authority.	-	-	-	-



2. Cases in which DEFECTS were found

No cases of defects due to want of cleanliness, overcrowding, unreasonable temperature, inadequate ventilation or ineffective drainage of floors, were found. Five cases of defective and insufficient sanitary accommodation were found, as shown in the next table, most of these were found on civil engineering sites.

	No. of cases with defects found			
	Found.	Remedied.	Referred To H.M. Inspector.	Prosecuted.
Sanitary conveniences (Section 7):				
(a) Insufficient	3	3	-	3
(b) Unsuitable or defective	2	2	-	1
(c) Not separate for the sexes	-	-	-	-
Total defects under Part 1 of the Act	5	5	-	4

Part VIII of the Act. Outwork (Sections 110 and 111).

Nature of Work.

Section 110.

No. of out-workers in August list as required by Sect.110 (1) (c)	No. of cases of default in sending lists to the Council.	No. of prosecutions for failure to supply lists.
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Wearing apparel:
making etc.

3

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No instances relating to Section 111 (unwholesome premises) were known.

